

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Mohammad M. Samii

Confirmation No.:

Application No.: Pending

Examiner: Unassigned

Filing Date: Herewith

Group Art Unit: N/A

Title: FLUID EJECTION AND SCANNING SYSTEM WITH PHOTSENSOR ACTIVATION OF
EJECTION ELEMENTS

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before
mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e)(1) or (2), and
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00 . At any time during the
pendency of this application, please charge any fees required or credit any overpayment to Deposit
Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with
any required copies of patents, publications or other information of which applicant(s) are aware, which
applicant(s) believe(s) may be material to the examination of this application and for which there may be
a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications
and other foreign language information listed on PTO Form 1449, as presently understood by the
individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the
attached sheet, or where a foreign language patent is cited in a search report or other action by a
foreign patent office in a counterpart foreign application, an English language version of the search
report or action which indicates the degree of relevance found by the foreign office is listed on form PTO
1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **EV 310 988 065 US**

Date of Deposit **Oct. 3, 2003**

I hereby certify that this is being deposited with the
United States Postal Service "Express Mail Post
Office to Addressee" service under 37 CFR 1.10 on
the date indicated above and is addressed to:
Commissioner for Patents, Alexandria, VA
22313-1450.

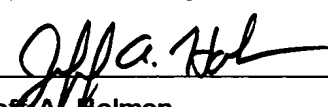
By

Typed Name: Julianne Christiansen

Respectfully submitted,

Mohammad M. Samii

By


Jeff A. Holmen

Attorney/Agent for Applicant(s)
Reg. No. **38,492**

Date: **Oct. 3, 2003**

Telephone No.: **(612) 573-0178**

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	10011831-2		
	APPLICANT		
	Mohammad M. Samii		
	FILING DATE	GROUP	
	Herewith		

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	4,233,612	Nov. 11, 1980	Hirayama et al.	
	1B	4,745,416	May 17, 1988	Horiata	
	1C	4,764,776	Aug. 16, 1988	Mugrauer et al.	
	1D	4,769,659	Sep. 6, 1988	Umeda et al.	
	1E	4,783,149	Nov. 8, 1988	Umeda et al.	
	1F	4,903,051	Feb. 20, 1990	Egawa et al.	
	1G	5,040,074	Aug. 13, 1991	Stemmle	
	1H	5,095,376	Mar. 10, 1992	Umeda et al.	
	1I	5,589,865	Dec. 31, 1996	Beeson	
	1J	5,719,602	Feb. 17, 1998	Hackleman et al.	
	1K	5,732,168	Mar. 24, 1998	Donald	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L	JP54156634	Oct. 1979	Fujitsu, Ltd.		
	1M	JP02022065	Jan. 1990	Seiko Epson Corp.		
	1N	JP02225049	Sept. 1990	Seiko Epson Corp.		
	1O	JP04305483	Oct. 1992	NEC Corp.		
	1P	JP04246542	Sept. 1992	Oki Electric Ind. Co		

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	"Introduction to Solid State Physics", by Charles Kittel, Seventh Edition, 1996, John Wiley & Sons, Inc. p. 573.
	1R	"Physics of Semiconductor Devices", by Michael Shur, 1990, Prentice-Hall, Inc. pp. 501-508.
	1S	"Semiconductor Physics and Devices", by Donald A. Neaman, Second Edition, 1997, The McGraw-Hill Companies; pp. 280-292.

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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A	5,734,394	Mar. 31, 1998	Hackleman	
	2B	5,742,305	Apr. 21, 1998	Hackleman	
	2C	5,805,296	Sept. 8, 1998	Hattori	
	2D	5,844,588	Dec. 1, 1998	Anderson	
	2E	5,933,184	Aug. 3, 1999	Ishigami et al.	
	2F	5,991,055	Nov. 23, 1999	Haselby et al.	
	2G	6,318,825	Nov. 20, 2001	Carau, Sr.	
	2H	2002/0051031	May 2, 2002	Shin et al.	
	2I	4,513,298	Apr. 23, 1985	Scheu	
	2J	4,535,343	Aug. 13, 1985	Wright et al.	
	2K	4,794,410	Dec. 27, 1988	Taub et al.	

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		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L	JP0521869	Aug. 1993	Seikosha Co. Ltd		
	2M	JP05261927	Oct. 1993	Ricoh Co. Ltd		
	2N	JP08080609	Mar. 1996	Canon Inc.		
	2O	JP08099417	Apr. 1996	NEC Corp.		
	2P	WO97/29914	Aug. 1997	Fujitsu Ltd.		

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	"Printhead for Thermal Ink Jet Print Bar and Method of Manufacturing the Same", U.S. Patent Application Serial No. 09/772,543, filed January 30, 2001.
	2R	A copy of PCT International Search Report (relating to EPO Appln No. 03253465.3) mailed on August 21, 2003 (4 pgs.)
	2S	A copy of PCT International Search Report (relating to EPO Appln No. 03253466.1) mailed on August 21, 2003 (3 pgs.)

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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	3A	4,812,859	Mar. 14, 1989	Chan et al.	
	3B	4,847,630	Jun. 11, 1989	Bhaskar et al.	
	3C	4,862,197	Aug. 29, 1989	Stoffel	
	3D	4,894,664	Jan. 16, 1990	Tsung Phan	
	3E	5,589,865	Dec. 31, 1996	Beeson	
	3F	5,691,759	Nov. 25, 1997	Hanson	
	3G	5,719,602	Feb. 17, 1998	Hackelman et al.	
	3H	5,734,394	Mar. 31, 1998	Hackelman et al.	
	3I	5,742,305	Apr. 21, 1998	Hackelman et al.	
	3J	5,745,152	Apr. 28, 1998	Vincent et al.	
	3K	5,760,817	Jun. 2, 1998	Foote	

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	3L	EP0829356A2	Mar. 1998	Seiko Instruments...		
	3M	EP0861724A2	Sept. 1998	Seiko Instruments...		
	3N	EP0861724A3	Oct. 1999	Seiko Instruments...		
	3O	EP0829356A3	Mar. 1999	Seiko Instruments...		
	3P	JP11105276	Apr. 1999	Minolta Co. Ltd		

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	3Q	A copy of PCT International Search Report (relating to EPO Appln No. 03253467.9) mailed on August 21, 2003 (4 pgs.)
	3R	U.S. Patent Application Serial No. 10/121,012, filed April 10, 2002 entitled "Laser Triggered Inkjet Firing".
	3S	

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	4A	4,794,463	Dec. 27, 1988	Tamura et al.	
	4B	5,021,808	Jun. 4, 1991	Kohyama	
	4C	5,159,349	Oct. 27, 1992	Endo et al.	
	4D	5,870,132	Feb. 9, 1999	Inoue et al.	
	4E	5,920,336	Jul. 7, 1999	Lawton et al.	
	4F	5,929,892	Jul. 27, 1999	Towner et al.	
	4G	5,984,464	Nov. 16, 1999	Steinfeld et al.	
	4H	6,135,586	Oct. 24, 2000	McClelland et al.	
	4I	6,266,073	Jul. 24, 2001	Yergnsen	
	4J				
	4K				

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		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	4L	EP1008451A2	Jun. 2000	SciTex Corp., Ltd.		
	4M	EP1008451A3	Mar. 2001	Aprion Digital Ltd.		
	4N	JP2001353875	Dec. 2001	Riso Kagaku Corp.		
	4O					
	4P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	4Q	
	4R	
	4S	

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